

# Converting Colors

$Y_{xy}(32.7529, 0.4485, 0.3164)$

Have a look what the booklet for  
Yxy(32.7529, 0.4485, 0.3164)  
contains.

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# Color

**Yxy(32.7501, 0.4486, 0.3165)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	F17480
RGB	241, 116, 128
RGB Percent	95%, 45%, 50%
CMY	0.0549, 0.5451, 0.4979
CMYK	0.00, 0.52, 0.47, 0.05
HSL	354°, 82%, 70%
HSV	354°, 52%, 95%
XYZ	46.4193, 32.7501, 24.3065
YIQ	154.7430, 70.6480, 30.2320

# Conversions

## Conversions Part 2

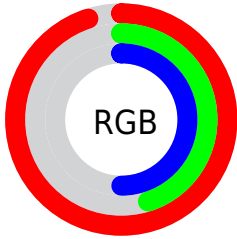
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	241, 116, 128
Decimal	15824000
CIE Lab	63.96, 49.11, 16.53
CIE LCh	64, 51.814, 18.608
Yxy	32.7501, 0.4486, 0.3165
Android (android.graphics.Color)	4294014080 (0xFFFF17480)
YUV	154.7430, -13.1843, 75.6474
Hunter-Lab	57.2277, 44.6387, 14.8770

# Details

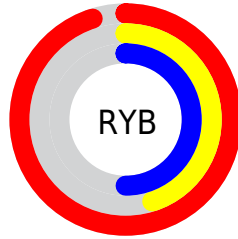
The Yxy color **32.7501, 0.4486, 0.3165** is a light color, and the websafe version is hex **CC6666**. A complement of this color would be **72.2806, 0.2510, 0.3436**, and the grayscale version is **32.6966, 0.3127, 0.3290**.

A 20% lighter version of the original color is **53.7220, 0.3805, 0.3187**, and **13.8335, 0.4940, 0.3080** is the 20% darker color. If you saturate the color by 10%, you get **27.3843, 0.4919, 0.3154**, and if you desaturate by 10%, it is **39.6833, 0.4107, 0.3185**.

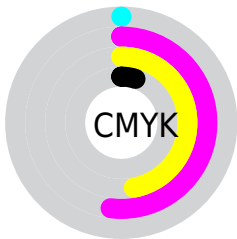
# Distribution



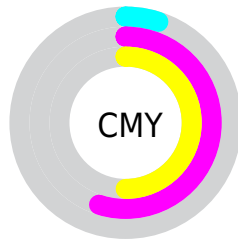
- Red (95%)
- Green (45%)
- Blue (50%)



- Red (95%)
- Yellow (45%)
- Blue (50%)



- Cyan (0%)
- Magenta (52%)
- Yellow (47%)
- Black (5%)




- Cyan (5%)
- Magenta (55%)
- Yellow (50%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 32.7501, 0.4486, 0.3165 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 32.7501, 0.4486, 0.3165 by changing the saturation by 10% instead.





 32.7501, 0.4486,  
0.3165


 32.7501, 0.4486,  
0.3165


314.5222, 0.3762,  
0.3258


 21.9351, 0.4679,  
0.3131


 63.9852, 0.4213,  
0.3207

 13.8092, 0.4933,  
0.3080


 85.1740, 0.4114,  
0.3220

 7.9881, 0.5279,  
0.2999


 110.5896, 0.4031,  
0.3230

 4.0873, 0.5771,  
0.2861

140.6163, 0.3960,  
0.3238

 1.7225, 0.6569,  
0.2628

175.6385, 0.3900,  
0.3245

 0.4382, 0.8107,  
0.1893


216.0406, 0.3848,


 0.0000, 1.0000,


0.3250


0.0000


262.2070, 0.3802,  
0.3254


 0.0000, 0.0000,  
0.0000

 32.7501, 0.4486,  
0.3165


 32.7501, 0.4486,  
0.3165

 27.3843, 0.4919,  
0.3154


 39.6833, 0.4107,  
0.3185


 23.4589, 0.5376,  
0.3157

 48.2877, 0.3789,  
0.3210


 20.8357, 0.5804,  
0.3178

 58.6643, 0.3530,  
0.3236

 19.3469, 0.6138,  
0.3217

 70.9044, 0.3322,  
0.3262

 18.7637, 0.6312,  
0.3251

 85.0933, 0.3154,  
0.3286

 97.4411, 0.3041,  
0.3290

# Harmonies

## Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



32.7501, 0.3793, 0.2642



32.7501, 0.4486, 0.3165



32.7501, 0.4737, 0.3751

# Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



32.7501, 0.4486, 0.3165



32.7501, 0.3122, 0.4704



32.7501, 0.1864, 0.2147

# Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



32.7501, 0.4486, 0.3165



72.2806, 0.2510, 0.3436

# Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



32.7501, 0.1741, 0.2507



32.7501, 0.4486, 0.3165



32.7501, 0.2402, 0.4077

# Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



32.7501, 0.4486, 0.3165



32.7501, 0.3886, 0.4738



32.7501, 0.1916, 0.3196



32.7501, 0.2274, 0.2079



# Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



32.7501, 0.4486, 0.3165



32.7501, 0.4620, 0.4141



32.7501, 0.1916, 0.3196



32.7501, 0.1791, 0.2232

# Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



32.7518, 0.4486, 0.3165



74.5229, 0.3403, 0.3251



35.4186, 0.3068, 0.2002



15.3382, 0.3446, 0.3246



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



32.7518, 0.4486, 0.3165



30.9632, 0.4933, 0.3154



47.2354, 0.4309, 0.3836



15.7835, 0.3278, 0.3268



10.1836, 0.6290, 0.3239



0.8555, 0.6050, 0.3106



# Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



32.7518, 0.4486, 0.3165



30.9632, 0.4933, 0.3154



47.3268, 0.2328, 0.2641



15.7835, 0.3278, 0.3268



10.1836, 0.6290, 0.3239



0.8555, 0.6050, 0.3106



# Previews

## White Background



This preview shows how the Yxy color 32.7501, 0.4486, 0.3165 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 32.7501, 0.4486, 0.3165 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 32.7501, 0.4486, 0.3165**

## Background



This preview shows how black text looks on a background with the Yxy color 32.7501, 0.4486, 0.3165.



This preview shows how white text looks on a background with the Yxy color 32.7501, 0.4486, 0.3165.

# Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



### Original Color

32.7501, 0.4486, 0.3165

### Protanopia

33.0544, 0.3242, 0.3395

### Deuteranopia

32.8700, 0.3743, 0.3661



## Tritanopia

32.9040, 0.4518, 0.3208

# Trichromacy



**Original Color**

32.7501, 0.4486, 0.3165

**Protanomaly**

31.7917, 0.3657, 0.3292

**Deuteranomaly**

32.0685, 0.4009, 0.3449

**Tritanomaly**

32.9297, 0.4506, 0.3198

# Monochromacy



**Original Color**

32.7501, 0.4486, 0.3165

**Achromatopsia**

32.7778, 0.3127, 0.3290

**Achromatomaly**

31.5332, 0.3580, 0.3236

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 32.7501, 0.4486, 0.3165 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(241, 116, 128)` looks like.

```
.text, #text, p{  
    color:rgb(241, 116, 128)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(241, 116, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(241, 116, 128) }
```

## Border

The CSS property to change the border of an element to Yxy 32.7501, 0.4486, 0.3165 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(241, 116, 128) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(241, 116, 128) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(241, 116, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(241, 116, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(241, 116, 128);  
box-shadow:4px 4px 4px 4px rgb(241, 116,  
128) }
```



# Background

The CSS property to change the background color of an element to Yxy 32.7501, 0.4486, 0.3165 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(241, 116, 128) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(241,  
116, 128) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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